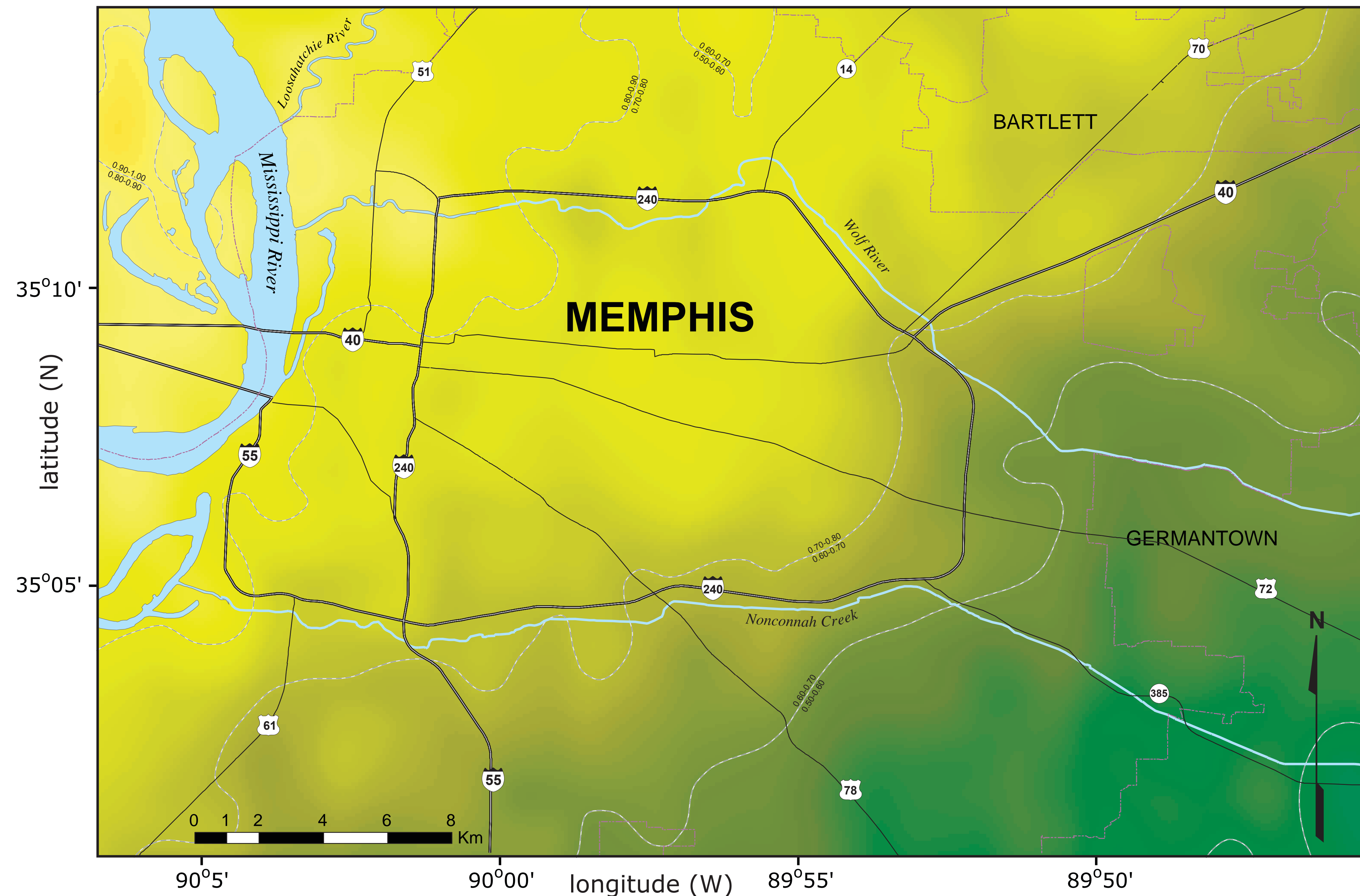
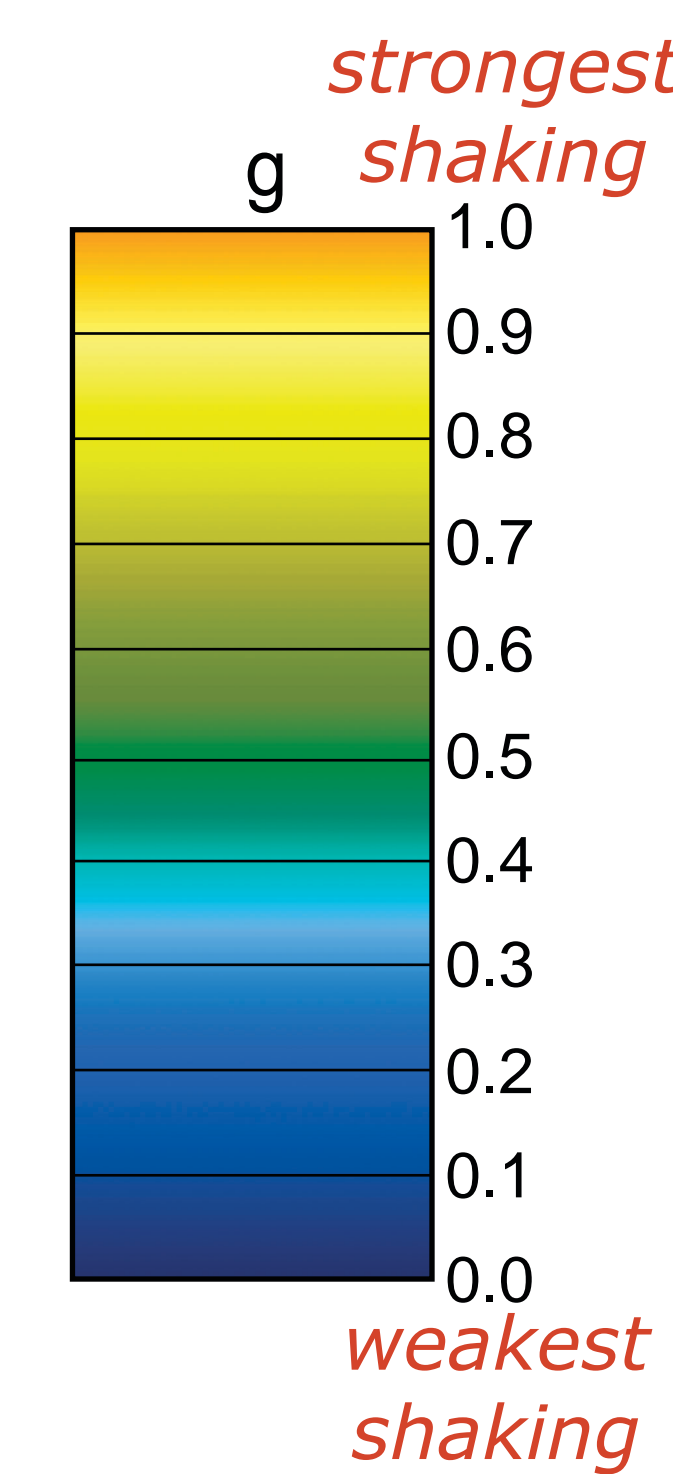


1.0 Second Period Spectral Accelerations



The map above is a probabilistic one, showing the levels of shaking that have a 2% chance of being exceeded in any 50 year period. These shaking estimates account for all possible earthquakes and their different likelihoods of occurring. This particular map shows the shaking expected in a structure with a natural frequency of 1 second, corresponding to a relatively tall structure such as a 10 story building.

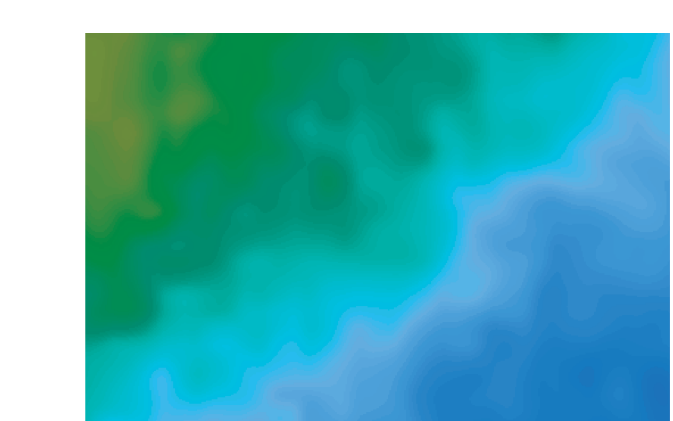
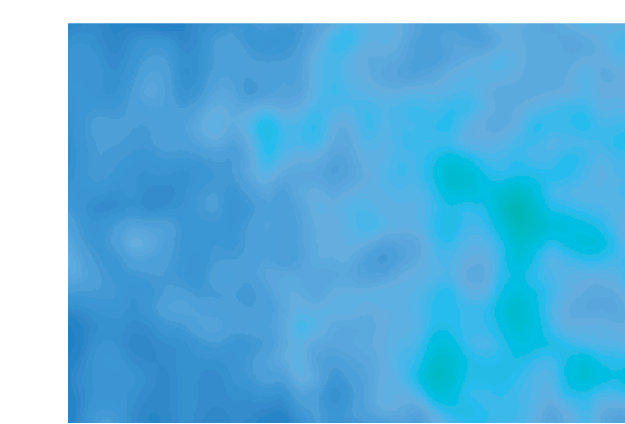
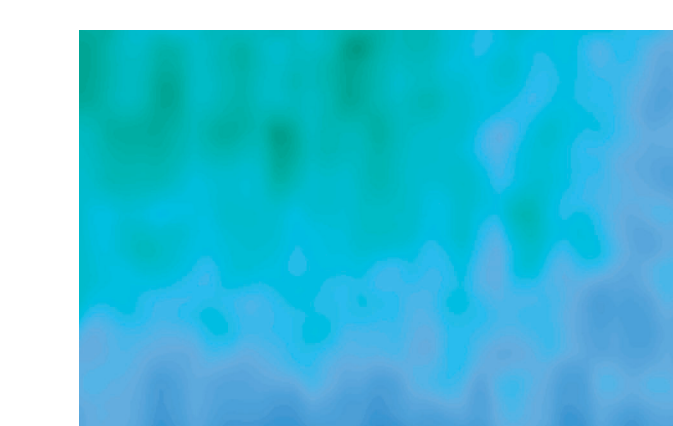


Map Index

Peak
Acceleration

0.2 Second
Period
Spectral
Acceleration

1.0 Second
Period
Spectral
Acceleration



10% Probability

2% Probability

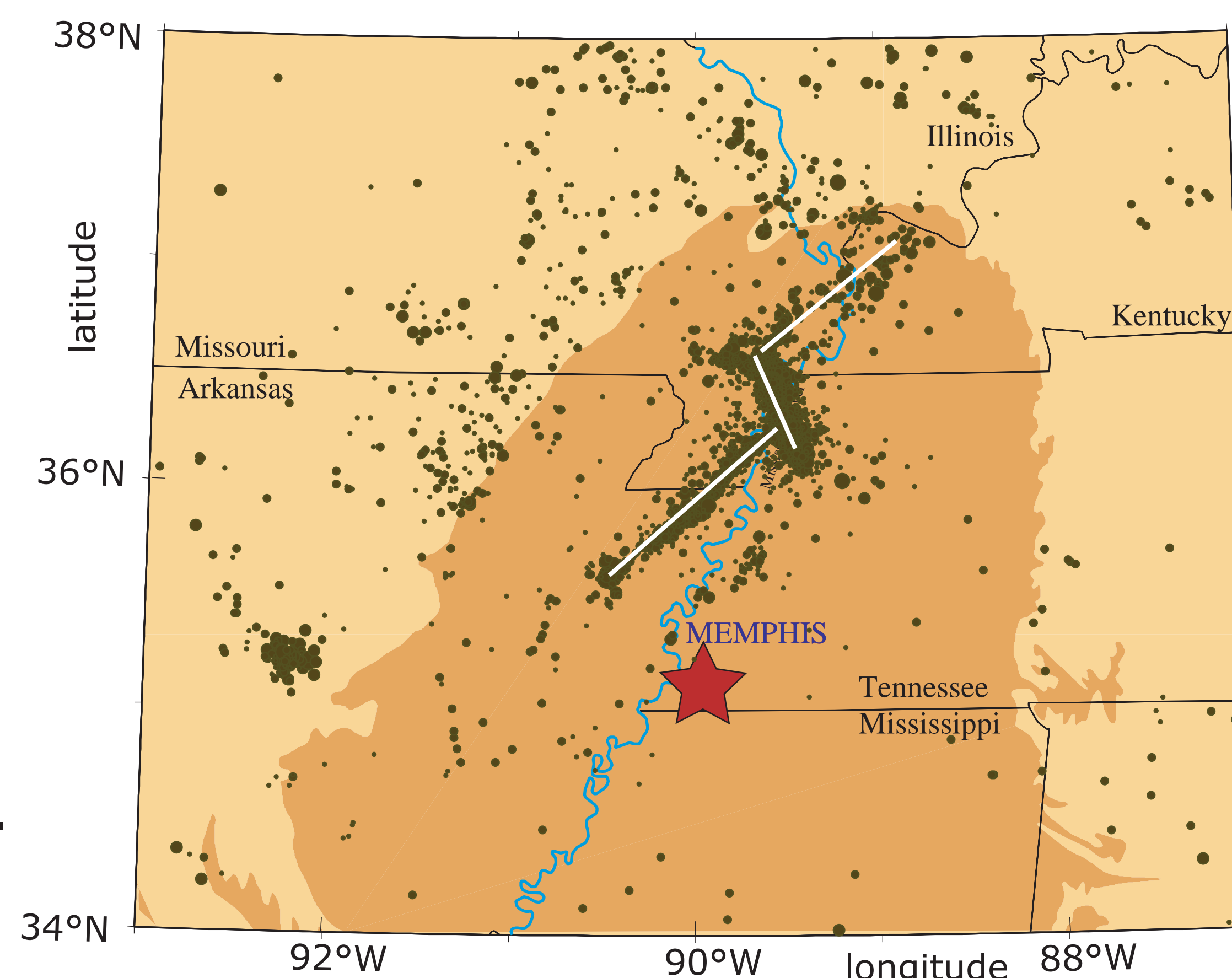
Magnitude 7.7

Magnitude 6.2

Probabilistic Maps
(5% maps also are available)

Deterministic Maps

Locations of most of the earthquakes that have occurred since the mid-1970s (black dots) and the major faults (white lines) in the New Madrid seismic zone. The darker area is covered by thick sediments, which significantly affect ground shaking levels.



For more information and all maps see <http://www.ceri.memphis.edu/usgs> or contact U.S. Geological Survey, 3876 Central Ave., Suite 2, Memphis, TN 38152.